PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below ACTION						
International app		International filing date (day/month/year)		(Earliest) Priority Date (day/month/year)		
PCT/IB 03/	00332	09/01/2003		09,	/01/2002	
Applicant						
UNIVERSITY	OF LAUSANNE					
This Internation according to Ar	al Search Report has beer ticle 18. A copy is being tra	n prepared by this Internation Insmitted to the Internationa	nal Searching Autho I Bureau.	ority and is transmitte	d to the applicant	
This Internation	al Search Report consists It is also accompanied by	of a total of9 a copy of each prior art doc	sheets. ument cited in this r	eport.		
1. Basis of th	e report					
a. With re langua	gard to the language, the ge in which it was filed, unl	international search was car ess otherwise indicated und	ried out on the basi er this item.	s of the international	application in the	
	the international search w Authority (Rule 23.1(b)).	as carried out on the basis o	of a translation of the	e international applica	ation furnished to this	
b. With re was ca	rried out on the basis of the	d/or amino acid sequence e sequence listing : mal application in written for		ernational application	, the international search	
	filed together with the inte	rnational application in com	puter readable form	ı .		
X		this Authority in written form				
X		this Authority in computer r			all and a surrent for the s	
X	international application a	sequently furnished written s filed has been furnished.	sequence listing do	es not go beyond the	disclosure in the	
X	the statement that the info furnished	ormation recorded in compu	er readable form is	identical to the written	n sequence listing has been	
2. X	Certain claims were fou	nd unsearchable (See Box	1).			
3. X	Unity of invention is lac	king (see Box II).				
4. With regard	d to the title,					
X	the text is approved as su	bmitted by the applicant.				
	the text has been establis	hed by this Authority to read	as follows:			
5. With regard	d to the abstract,					
X		bmitted by the applicant. hed, according to Rule 38.2 a date of mailing of this inter				
6. The figure	of the drawings to be publ	ished with the abstract is Fig	jure No.			
	as suggested by the appl	icant.		X	None of the figures.	
	because the applicant fail					
	because this figure better	characterizes the invention	·			

Form PCT/ISA/210 (first sheet) (July 1998)

	momasona Application No. 1 0 17 15	03/ 00332
FURTHER INFORMATION CONTINUED FROM PCT/IS	SA/ 210	
Continuation of Box I.1		
As far as claims 25-30 are directed human/animal body, the search has been alleged effects of the compound/compo	to a method of treatment of the en carried out and based on the osition.	
	•	

International application No. PCT/IB 03/00332

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
As far as claims 25-30 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Ctaims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-7, 17-30 (completely); 8-10 (partially)
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-7, 17-30 completely, 8-10 partially

peptides comprising sequence of Seq ID No. 2 i.e. the sequence SX[SP]V[GL]XPPSPRP, nucleic acid encoding it, the vector comprising the nucleic acid, and the cell comprising the vector, composition comprising the peptide and methods using peptide. This includes peptides comprising sequence of Seq ID No. 5, i.e. the sequence SXSVGX covalently linked to sequence of Seq ID No. 36, i.e. the sequence XRKKRRQRRRX

2. claims: 8-10 partially

peptides comprising sequence of Seq ID No. 6, i.e. the sequence PPSPRP covalently linked to sequence of Seq ID No. 36, i.e. the sequence XRKKRRQRRRX and peptides comprising the sequences of Seq ID Nos 7-11 having a common SPR core sequenceas far as they do not fall under scope of an invention mentioned above

3. claims: 8-16 partially

peptides comprising the sequence of Seq ID No. 12, i.e. GQPFFSPFS as far as they do not fall under scope of an invention mentioned above

4. claims: 8-16 partially

peptides comprising the sequence of Seq ID No. 14, i.e. SPPSNL as far as they do not fall under scope of an invention mentioned above

5. claims: 8-16 partially

peptides comprising the sequence of Seq ID No. 15, i.e. FNPWSSKPSLL as far as they do not fall under scope of an invention mentioned above

6. claims: 8-16 partially

peptides comprising the sequence of Seq ID No. 16, i.e. NASVGNDHSHSH as far as they do not fall under scope of an invention mentioned above

7. claims: 8-16 partially

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

peptides comprising the sequence of Seq ID No. 17, i.e. EHMALTYPERP as far as they do not fall under scope of an invention mentioned above

8. claims: 8-10 partially

peptides comprising the sequence of Seq ID No. 22, i.e. the sequence XGVSXS covalently linked to sequence of Seq ID No. 36, i.e. the sequence XRKKRRQRRRX as far as they do not fall under scope of an invention mentioned above

9. claims: 8-10 partially

peptides comprising the sequence of Seq ID Nos 18-21 and 23-28 having the core sequence RPS covalently linked to sequence of Seq ID No. 36, i.e. the sequence XRKKRRQRRRX as far as they do not fall under scope of an invention mentioned above

10. claims: 8-10 partially

peptides comprising the sequence of Seq ID No. 29, i.e. the sequence SFPSFFPQG covalently linked to sequence of Seq ID No. 36, i.e. the sequence XRKKRRQRRRX as far as they do not fall under scope of an invention mentioned above

11. claims: 8-10 partially

peptides comprising the sequence of Seq ID Nos 30-31, i.e. the sequence LNSPP covalently linked to sequence of Seq ID No. 36, i.e. the sequence XRKKRRQRRRX as far as they do not fall under scope of an invention mentioned above

12. claims: 8-10 partially

peptides comprising the sequence of Seq ID No. 32, i.e. the sequence LLSPKSWPNF covalently linked to sequence of Seq ID No. 36, i.e. the sequence XRKKRRQRRRX as far as they do not fall under scope of an invention mentioned above

13. claims: 8-10 partially

peptides comprising the sequence of Seq ID No. 33, i.e. the sequence HSHSDNGVSAN covalently linked to sequence of Seq ID No. 36, i.e. the sequence XRKKRRQRRRX as far as they do not fall under scope of an invention mentioned above

14. claims: 8-10 partially

	International Application No. PCT/ IB 03/00332
FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210	
peptides comprising the sequence sequence PRFPYTLAMHG covalently No. 36, i.e. the sequence XRKKR fall under scope of an inventio	te of Seq ID No. 34, i.e. the valinked to sequence of Seq ID RQRRRX as far as they do not on mentioned above

International Application No PCT/IB 03/00332

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07K14/47 A61K38/17 A61P5/48 A61P25/00

C12N5/10

C12N15/12

C12N15/63

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, Sequence Search, CHEM ABS Data

C. DOCUMI	ENTS	CONSIDER	RED TO E	BE RELE	EVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	WO 01/27268 A (UNIV LAUSANNE; BONNY CHRISTOPHE (CH)) 19 April 2001 (2001-04-19) the whole document	1-10, 17-30
X	BONNY C ET AL: "Cell-permeable peptide inhibitors of JNK: novel blockers of beta-cell death." DIABETES. JAN 2001, vol. 50, no. 1, January 2001 (2001-01), pages 77-82, XP002274267 ISSN: 0012-1797 the whole document	1-10, 17-30
P,A	WO 02/081504 A (UNIV JEFFERSON) 17 October 2002 (2002-10-17) see Seq ID NO 9 in table 1; claim 5; table 1	11-14,16

X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.		
"Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search	Date of mailing of the international search report		
30 March 2004	19. 07. 2004		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rljswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Fuhr, C		

International Application No
PCT/IB 03/00332

	n) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category ° Ci	tation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
P,A	WO 02/081505 A (WIESEHAN KATJA; WILLBOLD DIETER (DE); IMB INST FUER MOLEKULARE BIOTE) 17 October 2002 (2002-10-17) see peptide SVSVGMKPSPRP in figure 1figure 1	11-16

Information on patent family members

International Application No PCT/IB 03/00332

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0127268	A	19-04-2001	US AU CA EP WO JP US US US	6610820 B1 7938200 A 2387184 A1 1303600 A2 0127268 A2 2003511071 T 2003220480 A1 2004082509 A1 2002127676 A1 2003108539 A1	26-08-2003 23-04-2001 19-04-2001 23-04-2003 19-04-2001 25-03-2003 27-11-2003 29-04-2004 12-09-2002 12-06-2003
WO 02081504	Α	17-10-2002	CA EP WO US US	2442909 A1 1373308 A2 02081504 A2 2003013844 A1 2004086512 A1	17-10-2002 02-01-2004 17-10-2002 16-01-2003 06-05-2004
WO 02081505	Α	17-10-2002	DE WO EP	10117281 A1 02081505 A2 1379546 A2	24-10-2002 17-10-2002 14-01-2004